




**TECHNICAL DETAILS**

<b>WEIGHT/ROLL</b> 36 lbs. 16.3 kg	<b>WEIGHT/SQUARE</b> 7.2 lbs. 3.3 kg
<b>WIDTH</b> 39 <sup>3</sup> / <sub>8</sub> " 1 m	<b>LENGTH</b> 165' 50.3 m
<b>THICKNESS</b> 30 mils nominal	<b>COVERAGE</b> 5 square
<b>ROLLS/PALLET</b> 30 from OR/CA/OK	<b>TOTAL AREA PER ROLL</b> 541.4 sq. ft. 50.3 m <sup>2</sup>

**LAY LINES**

2", 9<sup>3</sup>/<sub>8</sub>", 12<sup>1</sup>/<sub>2</sub>", 18<sup>3</sup>/<sub>4</sub>"  
51 mm, 238 mm, 318 mm, 476 mm

**TEST COMPLIANCE**

<b>ASTM</b> D2178 Type IV	<b>UL RATING</b> 55A Type G1
<b>ASTM</b> E108 Class A Fire Rating	
	

**FEATURES & BENEFITS**

- Ply sheet made with oxidized asphalt and designed for use in conventional multi-ply BUR roof systems
- Class A fire rated in approved roof systems

**COMPATIBLE ADHESIVES**


## FIBERGLASS REINFORCED PLY SHEET


**PRODUCT USE**

500 Pano™ Ply 4 is an oxidized asphalt ply sheet suitable for use as an interply in multi-ply BUR roof systems. 500 Pano™ Ply 4 may be used over various combustible and non-combustible decks as the initial ply in conjunction with insulated roof systems. Please consult Malarkey's Technical Services Department for approval of roof systems.

**COMPOSITION & MATERIALS**

500 Pano™ Ply 4 is a ply sheet manufactured on a fiberglass mat, impregnated and coated on both sides with oxidized bitumen (asphalt), and treated with a non-stick agent to facilitate unrolling. No mineral release is used.

**APPLICATION/INSTALLATION**

500 Pano™ Ply 4 shall be applied as specified over base sheets and/or cover boards. Roof decks should be sound, dry, smooth, meet necessary local requirements, and provide positive drainage. Ply sheets are not recommended for cold process application. 500 Pano™ Ply 4 may be applied in cold weather, but follow cold weather application instructions and general requirements. Do not apply wet membrane sheets. See Malarkey's Specification Manual for instructions, or contact our Technical Services Department for details.

**STORAGE & HANDLING**

Protect 500 Pano™ Ply 4 from the weather and store rolls on end and off the floor on pallets.

**WARRANTY**

Malarkey Roofing Products® offers various warranties to meet specific requirements. The warranty package for 500 Pano™ Ply 4 includes 5, 10, 15, and 20-year limited and unlimited coverage. Contact your roofer, local distribution center or Malarkey for full details. See below for TECHNICAL ASSISTANCE contact information.

500 Pano™ Ply 4 and other Malarkey products are available throughout North America and Pacific Rim countries.

Visit [WWW.MALARKEYROOFING.COM](http://WWW.MALARKEYROOFING.COM) for additional product information and availability.

Note: Malarkey Roofing Products® (Malarkey) inventory SKU number for this product: 500 Pano™ Ply 4

**TECHNICAL ASSISTANCE:**

Malarkey has technical services assistance available.  
Contact Malarkey for details:  
Call weekdays 7:00 am to 5:00 pm PST,  
at 800.545.1191 or 503.283.1191.  
[technicalinquiries@malarkeyroofing.com](mailto:technicalinquiries@malarkeyroofing.com)

**CORPORATE OFFICE:**

3131 N. Columbia Blvd. Telephone: 503.283.1191  
Portland, OR 97217-7472 or 800.545.1191  
P.O. Box 17217 Fax: 503.289.7644  
Portland, OR 97217-0217

Effective 5/16  
Supersedes all previously published data  
Check for most current version  
on our website.

## FIBERGLASS REINFORCED PLY SHEET



PHYSICAL PROPERTIES	ASTM TEST METHOD	ASTM D2178 STANDARD SPECIFICATIONS	PANO™ PLY 4 TYPICAL RESULTS
Break Strength, 73.4°F (23°C) as manufactured, Longitudinal, min, lbf/in (kN/m)	D146	44 (7.7)	80 (14.0)
Break Strength, 73.4°F (23°C) as manufactured, Transverse, min, lbf/in (kN/m)	D146	44 (7.7)	55 (9.6)
Net dry mass— asphalt impregnated glass felt minimum g lb/100 ft <sup>2</sup> (g/m <sup>2</sup> ) (non-mineral parting agent), Average all rolls	D228	6.2 (303)	7.2 (351)
Mass of desaturated glass mat, min, lb/100 ft <sup>2</sup> (g/m <sup>2</sup> )	D228	1.7	1.77
Asphalt, min, lb/100 ft <sup>2</sup> (g/m <sup>2</sup> )	D228	3.0 (146)	4.8 (233)
Moisture, % at manufacture	D228	1	<1.0

500 Pano™ Ply 4 is a fiberglass reinforced ply sheet that meets the requirements of ASTM D2178 and when used in approved systems, is Class A fire rated with Underwriters Laboratories and Intertek Testing Services. It can also be used as a component in FM systems. Contact Malarkey's Technical Services Department for details.

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